

Water Trails and Low-Head Dam Public Hazard Programs

Program History: Appropriation History to the Low-head Dam Public Hazard and Water Trails Programs

Fiscal Year	Low Head Dam Public Hazard / Water Trails Appropriations	Notes
2008	\$200,000	
2008	\$250,000	Funds appropriated to develop statewide plans for water trails and dams
2009	\$1,000,000	\$1 million appropriated, rescinded by governor for use in flood relief program
2010	\$800,000	
2010	\$850,000	I-JOBS funds
2011	\$0	
2012	\$75,000	Vetoed
2013	\$1,000,000	
TOTAL	\$3,100,000	

Capital Expenditures Fiscal Year 2008 to through Fiscal Year 2013

Expenditures Category	Amount
Grants	\$1,735,000
Statewide plans for water trails and low-head dam mitigation	\$250,000
State dam mitigations	\$630,000
Technical assistance and reviews, dam mitigation	\$145,000
Conservation Corps Crew	\$210,000
Equipment purchases	\$80,000
Transfer to operations	\$50,000
TOTAL	\$3,100,000

Program History: Low-head Dam Public Hazard Program Grants

Project Name-Low Head Dam	Sponsor	Awarded	Project Total	Fiscal Year
North Hydroelectric Dam Engineering Feasibility Study	City of Fort Dodge	\$20,000	\$40,000	FY 2008
Cedar River Water Trail-Portage Construction	City of Waterloo	\$50,000	\$227,027	FY 2008
North Hydroelectric Low-Head Dam Signage	City of Fort Dodge	\$2,685	\$5,370	FY 2008
2008 Fleur Drive Dam Low Head Dam Safety	Des Moines Water Works	\$18,000	\$36,944	FY 2008
Charles City Riverfront Project -- small projects	City of Charles City	\$12,000	\$24,000	FY 2008
Mon Maq Dam Feasibility Study	Jones CCB	\$20,000	\$300,000	FY 2008
Mon Maq Dam Access and Portage	Jones CCB	\$35,315	\$205,290	FY 2008
Vernon Springs Dam Fish Passage Structure	Howard CCB	\$42,000	\$123,000	FY 2008
Yellow River Dam	Gene Warner	\$34,750	\$69,500	FY 2009
Charles City Low-head Dam Enhancement Project	City of Charles City	\$165,250	\$1,100,000	FY 2009
Boone Water Works Signage	City of Boone	\$3,524	\$4,405	FY 2010
Charles City LHD Enhancement Project	City of Charles City	\$200,870	\$73,224	FY 2010
Quasqueton Dam, Rock Arch Rapids Design	City of Quasqueton	\$20,000	\$45,000	FY 2010
Elkader LHD Remediation Design Project	City of Elkader	\$9,000	\$18,000	FY 2010
2009 Fleur Drive Portage Trails	Des Moines Waterworks	\$17,500	\$35,000	FY 2010
Conversion of Vernon Springs Dam to Rock Arch Rapids	Howard County Conservation Board	\$86,278	\$228,778	FY 2010
Cedar River Water Trail Portages-Downtown Waterloo	City of Waterloo	\$41,000	\$514,614	FY 2010
Phase 1 Portage Trail, IA River Water Trail	City of Iowa City	\$24,000	\$51,303	FY 2010
Boone Water Works Low-Head Dam Modification	City of Boone	\$184,000	\$368,000	FY 2010
River Valley Park LHD Modifications	City of Ames	\$75,000	\$150,000	FY 2010
Cedar Lake Dam Portage Trail	City of Nashua	\$7,896	\$9,870	FY 2013
Rockford Dam Removal	Floyd County Conservation Board	\$30,000	\$108,560	FY 2013
Design Phase-Burlington Street Dam Mitigation / Whitewater Park	City of Iowa City	\$50,000	\$310,000	FY 2013
Whitewater and Habitat Improvements at the Marion Street Dam	City of Manchester	\$200,000	\$1,600,000	FY 2013
Quasqueton Rock Arch Rapids	City of Quasqueton	\$48,521	\$356,330	FY 2013
Mon Maq Dam Modification-Maquoketa River Restoration	Jones County Conservation Board	\$43,521	\$156,625	FY 2013
TOTALS		\$1,441,110	\$6,160,840	

Program History: Water Trails Grants

Water Trail	Sponsor	Awarded	Project Total	Year
Maquoketa River Water Trail -- Jackson County	Jackson CCB	\$10,980	\$23,450	FY 2009
West Nishnabotna Water Trail	Pottawattamie CCB	\$22,200	\$37,590	FY 2009
North Skunk River Water Trail	Jasper CCB	\$8,374	\$11,164	FY 2009
Clear Creek Water Trail	City of Coralville	\$806	\$14,194	FY 2009
Iowa River Water Trail (Iowa City to Mississippi)	Tri-Rivers Conservation Foundation	\$7,640	\$10,583	FY 2009
Iowa River Water Trail	City of Iowa City	\$6,766	\$6,766	FY 2010
Dubuque Water Trail	City of Dubuque	\$6,000	\$8,000	FY 2010
Grand River Water Trail	Decatur CCB	\$16,109	\$61,069	FY 2010
Lizard Creek Water Trail	Webster CCB	\$11,002	\$24,262	FY 2010
Quad Cities Water Trails	River Action, Inc	\$2,236	\$10,000	FY 2010
Middle River Water Trail	Madison CCB	\$20,402	\$44,477	FY 2010
Turkey River Water Trail Project	Fayette CCB / Clayton CCB	\$21,037	\$46,537	FY 2010
Raccoon River Water Trail (Polk County)	City of Des Moines Parks & Recreation	\$11,362	\$87,644	FY 2010
Red Rock Water Trail	Red Rock Lake Association	\$33,224	\$33,224	FY 2010
Iowa River Greenbelt Water Trail	Iowa River Greenbelt Resource Trust	\$5,280	\$5,650	FY 2011
Quad Cities Water Trails	River Action, Inc.	\$7,764	\$41,135	FY 2011
Black Hawk Creek Water Trail	Black Hawk County Conservation Board	\$17,774	\$32,666	FY 2011
Upper Iowa River Water Trail	Winnebago County Conservation Board	\$19,596	\$25,096	FY 2011
Winnebago River Water Trail	Winnebago CCB	\$5,000	\$17,375	FY 2011
Middle/South Raccoon River Water Trail	Guthrie CCB	\$6,596	\$8,196	FY 2011
South Skunk River Water Trail	Story CCB	\$5,100	\$6,744	FY 2011
Des Moines River Water Trail	Van Buren County Trails Assoc	\$6,369	\$9,319	FY 2011
Des Moines River Water Trail	Webster County Conservation	\$3,407	\$4,857	FY 2011
Iowa River Greenbelt Water Trail	Iowa River Greenbelt Resource Trust	\$4,000	\$4,000	FY 2012
Des Moines River Water Trail	Webster County Conservation	\$3,407	\$3,407	FY 2012
Black Hawk Creek Water Trail	Black Hawk County Conservation Board	\$4,743	\$4,743	FY 2012
Winnebago River Water Trail	Winnebago CCB	\$4,672	\$4,672	FY 2012
Middle/South Raccoon River Water Trail	Guthrie CCB	\$6,596	\$6,596	FY 2012
Iowa River Greenbelt Water Trail	Iowa River Greenbelt Resource Trust	\$4,000	\$4,520	FY 2012
South Skunk River Water Trail	Story CCB	\$5,100	\$5,100	FY 2012
Des Moines River Water Trail	Van Buren County Trails Assoc	\$6,818	\$6,818	FY 2012
TOTALS		\$294,360	\$609,853	

FISCAL YEAR 2013 EXPENDITURES MID YEAR REPORT

FY2013 Low-head Dam Public Hazard and Water Trails Program

Funding commitments at a glance

Low-head Dam Mitigation Grants	\$380,000
Palisades-Kepler State Park Dam Public Hazard Mitigation	\$180,000
State-priority Dam Mitigation Technical Assistance	\$60,000
Water trails / Protected Water Area Stream Bank Restoration Pilot Projects	\$20,000
Administration	\$75,000
Water Trails Crew Assistance	\$80,000
Water Development Planning Contracts	\$205,000

Low-head Dam Mitigation Grants – \$380,000 (FY 2013 Appropriation)

The low-head dam public hazard program provides engineering and construction funds through a competitive application process. The purpose of the fund is to mitigate hazards on navigable rivers by providing funds to develop alternatives to dams known to be deadly. The following projects were awarded funds at the Dec. 13, 2012 Natural Resources Commission meeting.

Project Name-Low Head Dam	Sponsor	Awarded	Project Total
Cedar Lake Dam Portage Trail	City of Nashua	\$7,896	\$9,870
Rockford Dam Removal	Floyd County Conservation Board	\$30,000	\$108,560
Design Phase-Burlington Street Dam Mitigation / Whitewater Park	City of Iowa City	\$50,000	\$310,000
Whitewater and Habitat Improvements at the Marion Street Dam	City of Manchester	\$200,000	\$1,600,000
Quasqueton Rock Arch Rapids	City of Quasqueton	\$48,521	\$356,330
Mon Maq Dam Modification-Maquoketa River Restoration	Jones County Conservation Board	\$43,521	\$156,625
TOTALS		\$380,000	\$2,541,385

Palisades-Kepler State Park Dam Public Hazard Mitigation - \$180,000 (FY 2013 Appropriation)

Stabilizes a hazardous area, improves safety and recreation at a highly popular site on the Cedar River and beautifies an eyesore at an otherwise highly scenic limestone gorge on the Cedar River. Funding will support concept and plan development, and provide anchor funding for federal grant application and local fundraising match for the completed project.

Timeline:

Staff input	October 2012
River channel and dam survey	December 2012
Public meetings	February 2013
RFP posted	March 2013
Consultant hired	April 2013
Data analysis and conceptual plans rendered for public input	November 2013
Preliminary design	January 2014
Permitting and construction complete	September 2015

State-priority Dam Mitigation Technical Assistance - \$60,000 (FY2013 Appropriation)

Most dam projects need a series of small-contract studies done in order to receive permits. Costs are often not apparent at the outset. Examples include HEC RAS flood modeling, fish or mussel sampling, engineering review, and archaeological review. These funds are used for partnered technical assistance projects and state-owned facilities.

Water trails / Protected Water Area Stream Bank Restoration Pilot Projects: \$20,000 (FY2013 Appropriation)

Partnering with landowners on stream bank restoration provides service to property owner and the public through improved aesthetics and habitat. Projects demonstrate innovative, low-cost approaches, and are expected to help landowners form strong connections with the water trails.

Boone River river restorations / landowner cost share	\$18,000
West Nishnabotna river bank restoration / landowner cost share	\$2,000

Administration - \$75,000 (FY2013 Appropriation)

Grant and funds administration, project management, and staff-time technical assistance for dam mitigation and water trail projects statewide.

Water Trails Crew Assistance – \$80,000 (FY 2013 Appropriations)

The water trails crew manager partners with local entities on construction projects that provide amenity improvements such as navigational signage, portage trails around dams, water accesses, parking areas, and camping facilities. Usually, communities or conservation board staff participate in planning and building projects along with a DNR-led crew. DNR handles project management, including permitting, on behalf of the water trail. Local entities apply for the assistance competitively and contracts are developed to define local and state commitments.

Water Trail Name	County	Project	State Cost Estimate	Contract begin date	Build Date
Boone River Water Trail	Hamilton	Tunnel Mill Access	\$5,000	1/20/2013	August, 2013
Boone River Water Trail	Hamilton	Albright's Access	\$4,000	1/20/2013	August, 2013
Boone River Water Trail	Hamilton	Riverside Park Access	\$6,700	1/20/2013	July, 2013
West Nish Water Trail	Mills	Lambert Access	\$4,500	1/20/2013	October, 2013
West Nish Water Trail	Mills	Hutchings Access	\$6,500	1/20/2013	October, 2013
		Subtotal	\$31,700		
Equipment	County	Purpose	Cost	Order Date	Deliver Date
12 ft Dump Trailer	Polk	Support build work, rock / dirt hauling	\$4,740	1/20/2013	2/20/2013
17 ft Boat, Motor, and Trailer	Jackson	Signage installation, physical survey for dam and streambank assistance	\$14,226	1/15/2013	2/15/2013
		Subtotal	\$18,966		

Signage, post, and cable purchases	County	Purpose	State Cost	Order Date	Deliver Date
Lower Des Moines River Water Trail	Van Buren	Water trail signs purchase (IPI)	\$5,000	6/30/2013	\$0
	Wapello				
Skunk River Water Trail	Story	Water trail signs purchase (IPI)	\$5,000	2/15/2013	6/30/2013
		Subtotal	\$10,000		
					-
Projects Awarded December, 2013		Subtotal	\$24,334		
TOTAL			\$80,000		

Water Development Planning Contracts - \$205,000

Contracts for this work includes planning, landscape architecture and engineering consultants; regional planning organizations; and RC&Ds. Projects are in process of assessing infrastructure gaps based on local goals, per 2010 water trails statewide plan. Development planning funds are leveraged with State Recreational Trails grant to fund youth corps crew from Conservation Corps - Iowa.

Project / Purpose	Counties	Item	FY 2013	FY 2014	Contract Totals	Contract Begin Date	End Date
Lower Des Moines River							
* Water trail evaluation	Wapello	Plan development	\$7,500	\$1,250	\$8,750	3/1/2013	3/1/2014
* Site assessment	Van Buren	Signage Plan	\$7,000		\$7,000	1/31/2013	6/30/2014
* Development planning		Cultural Resources / Archaeological review	\$7,250		\$7,250	10/31/2012	10/31/2013
* Sign upgrades		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
		Subtotal			\$26,000		
Lake Odessa Water Trail							
* Development planning	Louisa	Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
		Subtotal			\$20,000		
Iowa River Water Trail	Louisa Washington	Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
* Development planning	Johnson						
		Subtotal			\$20,000		
Project / Purpose	Counties	Item	FY 2013	FY 2014	Contract Totals	Contract Begin Date	End Date

Upper Iowa River Water Trail		Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
* Water trail evaluation	Allamakee	Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment	Howard	Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
	Winneshiek						
		Subtotal			\$7,500		
Boone River Water Trail		Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
* Water trail evaluation	Hamilton	Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
* Development planning							
					\$20,000		
Black Hawk Creek Water Trail		Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
* Water trail evaluation	Grundy Black Hawk	Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
* Development planning							
		Subtotal			\$20,000		
Cedar River Water Trail		Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
* Water trail evaluation	Bremer Black Hawk	Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
* Development planning							
		Subtotal			\$20,000		
Project / Purpose	Counties	Item	FY 2013	FY 2014	Contract Totals	Contract Begin Date	End Date

West Nishnabotna Water Trail		Plan development	\$7,000	\$5,000	\$12,000	3/1/2013	3/1/2014
* Water trail evaluation	Pottawattamie Mills	Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment							
* Development planning		Subtotal			\$17,000		
Des Moines River Water Trail	Polk	Plan development	\$7,500	\$5,000	\$12,500	3/1/2013	3/1/2014
* Water trail evaluation		Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
* Development planning							
		Subtotal			\$20,000		
Red Rock Water Trail	Marion	Plan development	\$7,500	\$4,000	\$11,500	3/1/2013	3/1/2014
* Water trail evaluation		Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
* Development planning							
		Subtotal			\$19,000		
Skunk River Water Trail	Story	Plan development	\$7,500	\$4,000	\$11,500	3/1/2013	3/1/2014
* Water trail evaluation		Cultural Resources / Archaeological review	\$4,500		\$4,500	10/31/2013	10/31/2014
* Site assessment		Environmental review	\$3,000		\$3,000	3/15/2013	3/15/2014
* Development planning							
					\$16,000		
		Projected subtotal	\$156,750	\$49,250			
TOTAL DEVELOPMENT PLANNING PROJECTS *			FY 2013	FY 2014	\$205,000		